

**WEST**

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L1: Entry 6 of 17

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Apr 25, 2000

DERWENT-ACC-NO: 1998-076889

DERWENT-WEEK: 200105

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TITLE: Insect repellent sunscreen composition - comprises  
organic sunscreen agent, insect repellent, neo-pentanoate,  
water and emulsifier

INVENTOR: UICK, H J

PATENT-ASSIGNEE: JOHNSON &amp; SON INC S C (JOHS)

PRIORITY-DATA: 1996US-0670944 (June 26, 1996)

## PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
KR 2000022234 A	April 25, 2000	N/A	000	A61K007/40
WO 9749380 A1	December 31, 1997	E	018	A61K007/40
US 5716602 A	February 10, 1998	N/A	005	A61K007/42
ZA 9705682 A	March 25, 1998	N/A	015	A61K000/00
AU 9734120 A	January 14, 1998	N/A	000	A61K007/40
EP 910335 A1	April 28, 1999	E	000	A61K007/40
CZ 9804301 A3	July 14, 1999	N/A	000	A61K007/40
CN 1226156 A	August 18, 1999	N/A	000	A61K007/40
BR 9709965 A	August 10, 1999	N/A	000	A61K007/40
AU 713810 B	December 9, 1999	N/A	000	A61K007/40
HU 9903897 A2	March 28, 2000	N/A	000	A61K007/40
NZ 333629 A	November 29, 1999	N/A	000	A61K007/42
MX 9900270 A1	April 1, 1999	N/A	000	A61K007/40
JP 2000514050 W	October 24, 2000	N/A	017	A61K007/40

DESIGNATED-STATES: AU BR CA CN CZ HU JP KR MX NZ PL RU UA VN AT  
BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT SE AT BE CH DE DK  
ES FI FR GB GR IE IT LI LU NL PT SE

APPLICATION-DATA:

PUB-NO	APPL-DATE	APPL-NO	DESCRIPTOR
KR2000022234A	June 26, 1997	1997WO-US11221	N/A
KR2000022234A	December 26, 1998	1998KR-0710654	N/A
KR2000022234A		WO 9749380	Based on
WO 9749380A1	June 26, 1997	1997WO-US11221	N/A
US 5716602A	June 26, 1996	1996US-0670944	N/A
ZA 9705682A	June 26, 1997	1997ZA-0005682	N/A
AU 9734120A	June 26, 1997	1997AU-0034120	N/A
AU 9734120A		WO 9749380	Based on
EP 910335A1	June 26, 1997	1997EP-0930237	N/A
EP 910335A1	June 26, 1997	1997WO-US11221	N/A
EP 910335A1		WO 9749380	Based on
CZ 9804301A3	June 26, 1997	1997WO-US11221	N/A
CZ 9804301A3	June 26, 1997	1998CZ-0004301	N/A
CZ 9804301A3		WO 9749380	Based on
CN 1226156A	June 26, 1997	1997CN-0196789	N/A
BR 9709965A	June 26, 1997	1997BR-0009965	N/A
BR 9709965A	June 26, 1997	1997WO-US11221	N/A
BR 9709965A		WO 9749380	Based on
AU 713810B	June 26, 1997	1997AU-0034120	N/A
AU 713810B		AU 9734120	Previous Publ.
AU 713810B		WO 9749380	Based on
HU 9903897A2	June 26, 1997	1997WO-US11221	N/A
HU 9903897A2	June 26, 1997	1999HU-0003897	N/A
HU 9903897A2		WO 9749380	Based on
NZ 333629A	June 26, 1997	1997NZ-0333629	N/A
NZ 333629A	June 26, 1997	1997WO-US11221	N/A
MX 9900270A1	January 4, 1999	1999MX-0000270	N/A
JP2000514050W	June 26, 1997	1997WO-US11221	N/A
JP2000514050W	June 26, 1997	1998JP-0503561	N/A
JP2000514050W		WO 9749380	Based on

INT-CL (IPC): A01N 25/00; A61K 0/00; A61K 7/40; A61K 7/42; A61K 7/44; A61K 31/165; A61K 31/19

ABSTRACTED-PUB-NO: US 5716602A  
BASIC-ABSTRACT:

Insect repellent sunscreen composition comprises: (a) 10-40 wt.% organic sunscreen agent having absorption capability at least within the UV range of 290-400 nm; (b) 2-50 wt.% insect repellent; (c) 1-20 wt.% neopentanoate; (d) 20-60 wt.% water and (e) 0.1-15 wt.% emulsifier. Also claimed is production of the composition by mixing the components together.

The sunscreen agent comprises 2-ethylhexyl methoxycinnamate, 2-ethylhexyl salicylate, 2-ethylhexyl 2-cyano-3,3-diphenylacrylate, oxybenzone, padimate O or titanium dioxide and is preferably a mixture of 2-ethylhexyl

methoxycinnamate, 2-ethylhexyl salicylate and oxybenzone. The insect repellent comprises N,N-diethyl toluamide (DEET), N,N-diethyl benzamide, p-menthane-3,8-diol, 1-piperidinecarboxylic acid, 2-(2-hydroxyethyl)-1-methylpropylester, 1-(3-cyclohexen-1-ylcarbonyl)-2-m-ethylpiperidine, citronella oil, clove oil, coconut oil, cedar oil, geraniol, lemon grass oil, thyme oil, rosemary oil, mint oil, geranium oil or eugenol. Component (c) is an alkyl neopentanoate, preferably octyldodecyl neopentanoate. The emulsifier is an anionic emulsifier.

USE - The composition is applied to an exposed portion of a human body to act as a sunscreen and an insect repellent (claimed).

ADVANTAGE - The composition has a high sun protection factor (SPF) with improved insect repellency, even when using lower levels of repellent active ingredient than in comparable competitive products. The composition is especially useful in environments where skin is regularly exposed to water and particularly during swimming and sunbathing outdoors. The composition has good cosmetic characteristics, particularly with respect to skin softening and a non-greasy feel.

ABSTRACTED-PUB-NO: WO 9749380A  
EQUIVALENT-ABSTRACTS:

Insect repellent sunscreen composition comprises: (a) 10-40 wt.% organic sunscreen agent having absorption capability at least within the UV range of 290-400 nm; (b) 2-50 wt.% insect repellent; (c) 1-20 wt.% neopentanoate; (d) 20-60 wt.% water and (e) 0.1-15 wt.% emulsifier. Also claimed is production of the composition by mixing the components together.

The sunscreen agent comprises 2-ethylhexyl methoxycinnamate, 2-ethylhexyl salicylate, 2-ethylhexyl 2-cyano-3,3-diphenylacrylate, oxybenzone, padimate O or titanium dioxide and is preferably a mixture of 2-ethylhexyl methoxycinnamate, 2-ethylhexyl salicylate and oxybenzone. The insect repellent comprises N,N-diethyl toluamide (DEET), N,N-diethyl benzamide, p-menthane-3,8-diol, 1-piperidinecarboxylic acid, 2-(2-hydroxyethyl)-1-methylpropylester, 1-(3-cyclohexen-1-ylcarbonyl)-2-m-ethylpiperidine, citronella oil, clove oil, coconut oil, cedar oil, geraniol, lemon grass oil, thyme oil, rosemary oil, mint oil, geranium oil or eugenol. Component (c) is an alkyl neopentanoate, preferably octyldodecyl neopentanoate. The emulsifier is an anionic emulsifier.

USE - The composition is applied to an exposed portion of a human body to act as a sunscreen and an insect repellent (claimed).

ADVANTAGE - The composition has a high sun protection factor (SPF) with improved insect repellency, even when using lower

levels of repellent active ingredient than in comparable competitive products. The composition is especially useful in environments where skin is regularly exposed to water and particularly during swimming and sunbathing outdoors. The composition has good cosmetic characteristics, particularly with respect to skin softening and a non-greasy feel.

CHOSEN-DRAWING: Dwg.0/0 Dwg.0/0

DERWENT-CLASS: A14 A96 C03 C07 D21 E19

CPI-CODES: A12-V04C; C04-B01C1; C10-C03; C10-D03; C14-B05;  
C14-R05; D08-B09A; D09-E; E06-A02D; E06-A03; E07-D05; E10-A15C;  
E10-B02A; E10-B04A2; E10-D01D; E10-E02E1; E10-E02F1; E10-E04J;  
E10-E04K; E10-E04M2; E10-F02A1; E10-F02C; E10-G02F1; E10-G02F2;  
E10-G02H2; E10-J02A2; E10-J02B4; E35-K02;

<u>DB Name</u>	<u>Query</u>	<u>Hit Count</u>	<u>me</u>
USPT	113 and 119	8	
USPT	((424/745)!.CCLS.)	216	
USPT	117 and 19	0	
USPT	113 and 116	21	
USPT	((sesame or soybean) same oil)	27126	
USPT	19 and 113	6	
USPT	19 and 113	6	
USPT	(rosemary same oil) and (insect or cockroach\$ or ant or repellent or insecticid\$)	76	
USPT	piperonyl butoxide same rosemary oil	3	
USPT	16 and 19	0	
USPT	17 and 18	0	
USPT	piperonyl butoxide	902	
PGPB,JPAB,EPAB	piperonyl butoxide	72	
PGPB,JPAB,EPAB	rosemary and oil and (insect or cockroach\$ or ant or repellent or insecticid\$)	6	
USPT	rosemary same oil same (insect or cockroach\$ or ant or repellent or insecticid\$)	20	
PGPB	rosemary same oil same (insect or cockroach\$ or ant or repellent or insecticid\$)	0	
JPAB,EPAB	rosemary same oil same (insect or cockroach\$ or ant or repellent or insecticid\$)	4	
DWPI	11 and 12	0	
DWPI	piperonyl butoxide	246	
DWPI	rosemary and oil and (insect or cockroach\$ or ant or repellent or insecticid\$)	17	

AN 1997:344154 CAPLUS  
DN 126:321099  
TI Pharmaceutical or veterinary compositions with insecticidal activities  
IN Marcos, David; Levin, Orna  
PA Trima, Israel; Israel Products; Maabarot Ltd; Levin, Orna  
SO Israeli, 10 pp.

CODEN: ISXXAQ

DT Patent

LA English

IC ICM A61K045-00

CC 63-6 (Pharmaceuticals)

Section cross-reference(s): 5

FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI IL 98828	A1	19961016	IL 1991-98828	19910715
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AB A pharmaceutical or veterinary compn. for combating insects comprises; (a) one or more volatile oils, (b) one or more alcs., and (c) one or more fixed oils and/or one or more emollient esters of fatty acid derived from vegetable oils. A soln. contg. rosemary oil 15, anise oil 15, olive oil 20, medium-chain triglycerides 20, and isopropanol killed lice 100 % and lice eggs 17.2 %.

ST insecticide louse volatile oil alc ester; rosemary anise oil glyceride isopropanol insecticide

IT Glycerides, biological studies

RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)  
(C8-10; insecticidal compns. contg. oils and alcs. and esters)

IT Fats and Glyceridic oils, biological studies

RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)  
(almond; insecticidal compns. contg. oils and alcs. and esters)

IT Essential oils

RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)  
(anise; insecticidal compns. contg. oils and alcs. and esters)

IT Insecticides

Louse

Topical drug delivery systems

(insecticidal compns. contg. oils and alcs. and esters)

IT Avocado oil

Corn oil

Medium-chain glycerides

Olive oil

Peanut oil

Rosemary oil

Safflower oil

Sesame oil

Soybean oil

Sunflower oil

RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)  
(insecticidal compns. contg. oils and alcs. and esters)

IT Calendula

Quassia

RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)  
(oils; insecticidal compns. contg. oils and alcs. and esters)

IT Essential oils

RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)  
(sassafras; insecticidal compns. contg. oils and alcs. and esters)

IT 57-55-6D, 1,2-Propanediol, esters with capric/caprylic acid 64-17-5,  
Ethanol, biological studies 67-63-0, Isopropanol, biological studies  
110-27-0, Isopropyl myristate

RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)  
(insecticidal compns. contg. oils and alcs. and esters)

FILE 'CAPLUS' ENTERED AT 11:57:00 ON 01 AUG 2001  
L3 20 S ROSEMARY(P)OIL(P)(INSECT? OR REPELLENT OR COCKROACH  
L4 1 S ROSEMARY(P)OIL(P)(COCKROACH?)

FILE 'BIOSIS' ENTERED AT 12:05:20 ON 01 AUG 2001  
L5 0 S ROSEMARY(P)OIL(P)(COCKROACH?)

FILE 'MEDLINE' ENTERED AT 12:05:19 ON 01 AUG 2001  
L6 0 S ROSEMARY(P)OIL(P)(COCKROACH?)

FILE 'AGRICOLA' ENTERED AT 12:05:42 ON 01 AUG 2001  
L7 0 S ROSEMARY(P)OIL(P)(COCKROACH?)

FILE 'ADISALERTS, ADISINSIGHT, AGRICOLA, ANABSTR, AQUASCI, BIOBU,  
BIOCOMMERCE, BIOSIS, BIOTECHDS, BIOTECHNO, CABA, CANCERLIT, CAPL,  
CEABA-VTB, CEN, CIN, CONFSCI, CROPB, CROPU, DGENE, DRUGB, DRUGLA,  
DRUGMONOG2, DRUGNL, DRUGU, DRUGUPDATES, ...' ENTERED AT 12:05:54  
AUG 2001

L8 4 S ROSEMARY(P)OIL(P)(COCKROACH?)  
L9 3 DUPLICATE REMOVE L8 (1 DUPLICATE REMOVED)  
L10 12 S ROSEMARY(P)(COCKROACH?)  
L11 8 DUPLICATE REMOVE L10 (4 DUPLICATES REMOVED)